RMW5130AC-R2



Single-Hinged ClimateCab™ with Air Conditioner

Secure wallmount protection with 800-BTU air conditioning for total climate control.



Customer Support Information

Order toll-free in the U.S.: Call 877-877-BBOX (outside U.S. call 724-746-5500)
FREE technical support 24 hours a day, 7 days a week: Call 724-746-5500 or fax 724-746-0746 • Mailing address: Black Box Corporation, 1000 Park Drive, Lawrence, PA 15055-1018 • Web site: www.blackbox.com • E-mail: info@blackbox.com

Trademarks Used in this Manual

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FEDERAL COMMUNICATIONS COMMISSION AND INDUSTRY CANADA RADIO FREQUENCY INTERFERENCE STATEMENTS

This equipment generates, uses, and can radiate radio-frequency energy, and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio communication. It has been tested and found to comply with the limits for a Class A computing device in accordance with the specifications in Subpart B of Part 15 of FCC rules, which are designed to provide reasonable protection against such interference when the equipment is operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference, in which case the user at his own expense will be required to take whatever measures may be necessary to correct the interference.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This digital apparatus does not exceed the Class A limits for radio noise emission from digital apparatus set out in the Radio Interference Regulation of Industry Canada.

Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la classe A prescrites dans le Règlement sur le brouillage radioélectrique publié par Industrie Canada.

Normas Oficiales Mexicanas (NOM)
Electrical Safety Statement
INSTRUCCIONES DE SEGURIDAD

1. Todas las instrucciones de seguridad y operación deberán ser leídas antes de que el aparato eléctrico sea operado.

2. Las instrucciones de seguridad y operación deberán ser guardadas para referencia futura.

3. Todas las advertencias en el aparato eléctrico y en sus instrucciones de operación deben ser respetadas.

4. Todas las instrucciones de operación y uso deben ser seguidas.

5. El aparato eléctrico no deberá ser usado cerca del agua—por ejemplo, cerca de la tina de baño, lavabo, sótano mojado o cerca de una alberca, etc.

6. El aparato eléctrico debe ser usado únicamente con carritos o pedestales que sean recomendados por el fabricante.

7. El aparato eléctrico debe ser montado a la pared o al techo sólo como sea recomendado por el fabricante.

8. Servicio—El usuario no debe intentar dar servicio al equipo eléctrico más allá lo descrito en las instrucciones de operación. Todo otro servicio deberá ser referido a personal de servicio calificado.

9. El aparato eléctrico debe ser situado de tal manera que su posición no interfiera su uso. La colocación del aparato eléctrico sobre una cama, sofá, alfombra o superficie similar puede bloquea la ventilación, no se debe colocar en libreros o gabinetes que impidan el flujo de aire por los orificios de ventilación.

10. El equipo eléctrico deber ser situado fuera del alcance de fuentes de calor como radiadores, registros de calor, estufas u otros aparatos (incluyendo amplificadores) que producen calor.

11. El aparato eléctrico deberá ser connectado a una fuente de poder sólo del tipo descrito en el instructivo de operación, o como se indique en el aparato.

12. Precaución debe ser tomada de tal manera que la tierra fisica y la polarización del equipo no sea eliminada.

13. Los cables de la fuente de poder deben ser guiados de tal manera que no sean pisados ni pellizcados por objetos colocados sobre o contra ellos, poniendo particular atención a los contactos y receptáculos donde salen del aparato.

14. El equipo eléctrico debe ser limpiado únicamente de acuerdo a las recomendaciones del fabricante.

15. En caso de existir, una antena externa deberá ser localizada lejos de las lineas de energia.

16. El cable de corriente deberá ser desconectado del cuando el equipo no sea usado por un largo periodo de tiempo.

17. Cuidado debe ser tomado de tal manera que objectos liquidos no sean derramados sobre la cubierta u orificios de ventilación.

18. Servicio por personal calificado deberá ser provisto cuando:

    A: El cable de poder o el contacto ha sido dañado; u

    B: Objectos han caído o líquido ha sido derramado dentro del aparato; o

    C: El aparato ha sido expuesto a la lluvia; o

    D: El aparato parece no operar normalmente o muestra un cambio en su desempeño; o

    E: El aparato ha sido tirado o su cubierta ha sido dañada.

1. Specifications

Standards: UL® 508A, 508 File No. E61997; NEMA/EEMAC Type 12; CSA, File No. E619967, Type 12; EIA 310-D; IEC 60529; IP55

Construction: Door and body: 14-gauge steel

Finish: RAL 7035 textured, light-gray, polyester powder coating inside and out over phosphatized surfaces; optional panels are beige

Size: 24.09"H (12U) x 24.02"W x 27.56"D (61.2 x 61 x 70 cm); RMN301-R2: 21"H x 21"W (53.34 x 53.34 cm)

Load Capacity of Center Section: 200 lb. (90.9 kg)

Maximum Equipment Depth: 21.24" (53.9 cm)

2. Overview

The Single-Hinged ClimateCab with Air Conditioner houses electronic controls, instruments, and components in indoor environments that may otherwise be exposed to dirt, dust, oil, and water. It has provisions for rackmounting in front and for panel mounting (using optional panels, ordered separately) in back. The cabinet features a full front viewing window, flush quarter-turn latching, and a single-hinged body for easy installation and maintenance.

Use the Single-Hinged ClimateCab with Air Conditioner in harsh environments. The air conditioner enables 19" equipment to operate inside the cabinet where temperature conditions would normally result in failure. It provides cool air to internally mounted equipment when high air ambient temperatures exist (up to 130° F [54.4° C]). No outside air is allowed inside the cabinet, so internal equipment will not be damaged by external contaminants and high temperature.

The cabinet is 24.09"H (61.2 cm) high. Its front door latches open and closed with a quarter-turn latch.

For safety and maximum visibility, the cabinet's window door has safety glass permanently bonded in place. Adjustable (up to 2.4" [6.1 cm]) rack angles provide 19-inch mounting per EIA 310-D/IEC 297-1 universal spacing for easy installation. Rack angles are tapped 10-32 to make mounting simple.

What's Included

The Single-Hinged ClimateCab with Air Conditioner includes the following items. If anything is missing or damaged, contact Black Box at 724-746-5500.

- Single-Hinged ClimateCab with Air Conditioner
- (20) 10-32 screws
- (2) grounding point stickers
- (4) nuts
- (2) bolts
- (4) steel washers
- (4) black plastic caps
- (4) white plastic sealing washers
- (6) nuts with star washers
- (1) square grounding star washer
- (1) pair of keys
- (1) air conditioner
- (1) roll of drainage tubing
- (4) mounting bolts
- (1) gasket kit
- This user's manual

3. Installation

3.1 Installing the Cabinet

Use the mounting holes on the back of the ClimateCab for convenient mounting through the enclosure. Hardware for inside the cabinet is included; hardware for outside the cabinet is not included. Attach the cabinet to a wall or other structure via ⅜" fasteners (not included), flat washers (not included), and nuts (not included). For proper sealing and enclosure protection rating, use the sealing washers (included). Install the sealing washers inside the enclosure with the tapered cone against the enclosure, then add the steel washers (included). See Figure 3-1.

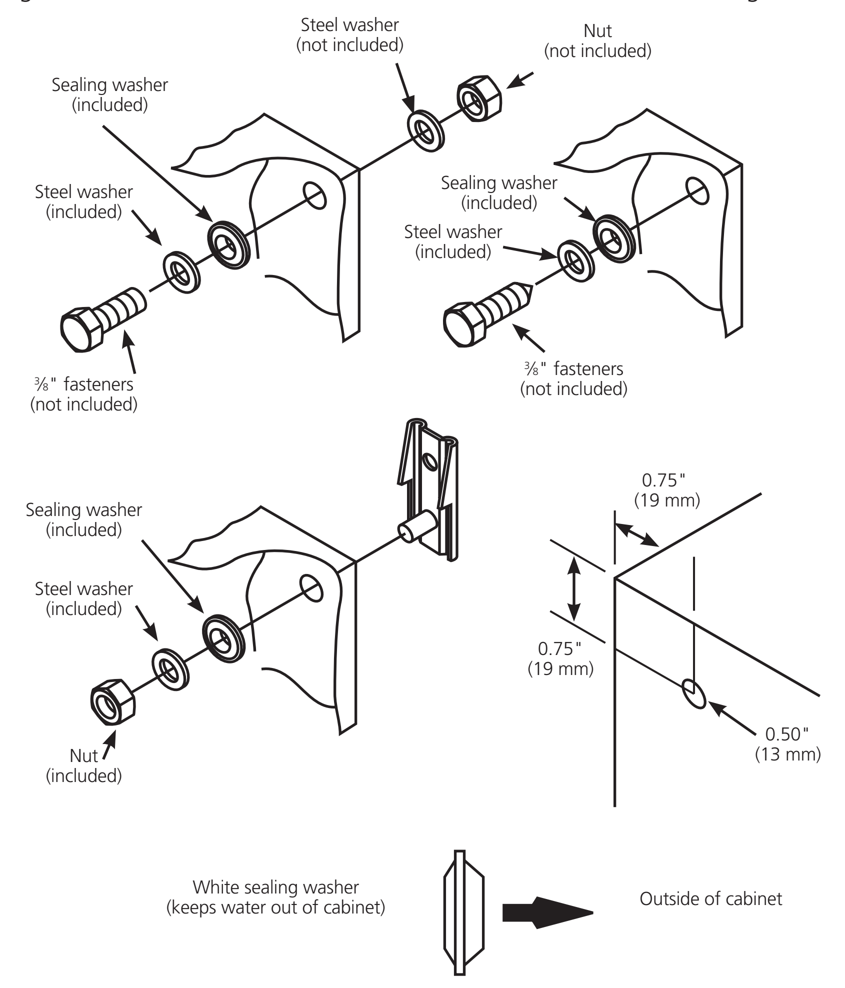


Figure 3-1. Cabinet installation.

3.2 Installing the Optional Panel

NOTE: When installing the panel, you might need to bend the mounting studs slightly so that the panel fits in place.

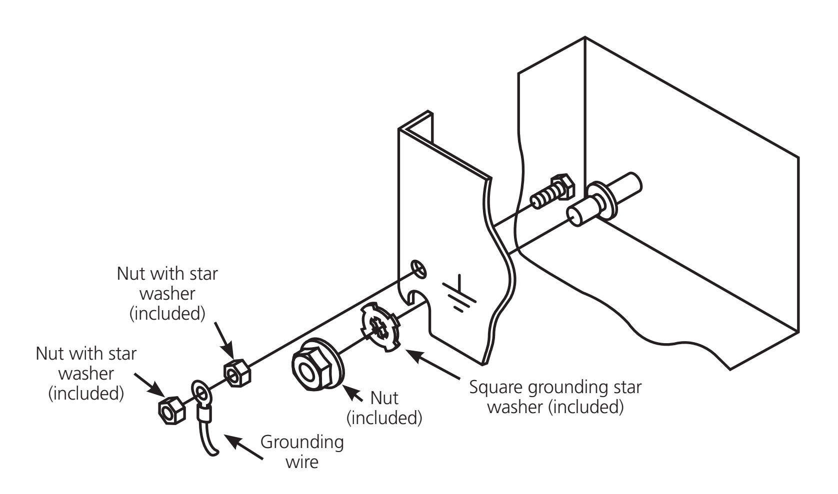


Figure 3-2. Panel installation.

3.3 Grounding the Door

Ground the door as shown in Figure 3-3.

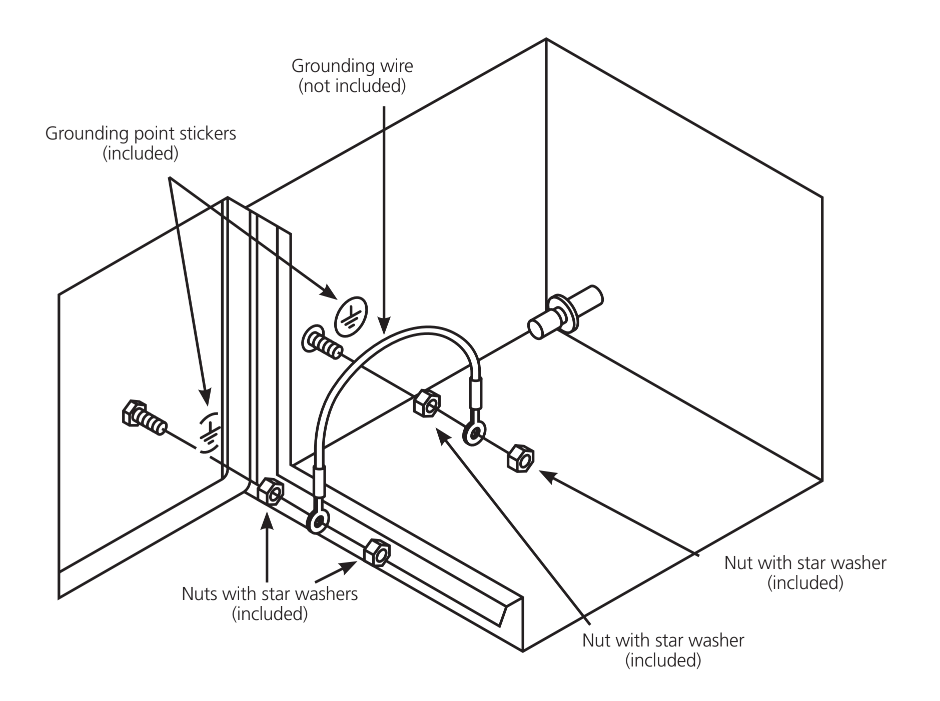


Figure 3-3. Door grounding.



About Black Box

Black Box provides an extensive range of networking and infrastructure products. You'll find everything from cabinets and racks and power and surge protection products to media converters and Ethernet switches all supported by free, live 24/7 Tech Support available in 30 seconds or less.

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